

ABSTRACT

A sub block generation circuit 52 divides
coefficients of orthogonal transformation by 8×8 to sub
5 block data, and a two-dimensional reversible coding
circuit 54 selects transformation table data for
assigning an encoding code having a short bit length to
non-0 coefficient quantity data indicating "0" in non-0
coefficient quantity data "TotalCoeff" of a sub block
10 being away from direct current components, and performs
encoding.